TL2730S

soloFace Standalone Access Controller for 2,730 ID cards
Dimensions: 97mm x 57mm x 23.5mm

RFID Access Controller with PC Based
Time Logger for audit trail & Attendance Reports

soloFace

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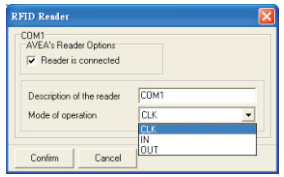
1. INTRODUCTION

The TL2730S proximity access controller is a cost effective solution for 2,728 users for access control and time recording

A **9 to 12V DC** supply is required to power the reader, which has a current consumption of less than **300mA** (**600mA for dual reader**).

There are three modes of operation, in Setup / Reader :



A. IN Mode - Single reader

use TL2730S for entrance +
PC based TIME LOGGER (with PC ON)
For audit trail and attendance reports

In this mode, only a single controller is installed outside the premises. An Electric strike can be connected. A bypass switch is installed inside the premises, pressing it will release the strike. While connecting the TL2730S's RS232 port to the computer and running the Time Logger software (Windows), the program will stamp the clocked date, time and card ID into the computer database and show up the associated picture with the specific ID on the computer screen for attendance reports. (See section 5 for wiring)

B. OUT Mode -Dual reader

use a TL2730S for Entrance + another TL2730S for Exit
+ PC based TIME LOGGER (with PC ON)

In this mode, one TL2730S is installed outside the premises for entrance. Another TL2730S is installed inside the premises for exit. An electric strike and a bypass switch are connected to the OUT reader (for exit) inside the premises. Pressing the bypass switch or presenting the authorized cards will release the strike. Clocked data will be sent from both the IN and OUT reader to Time Logger's database if connection is good.

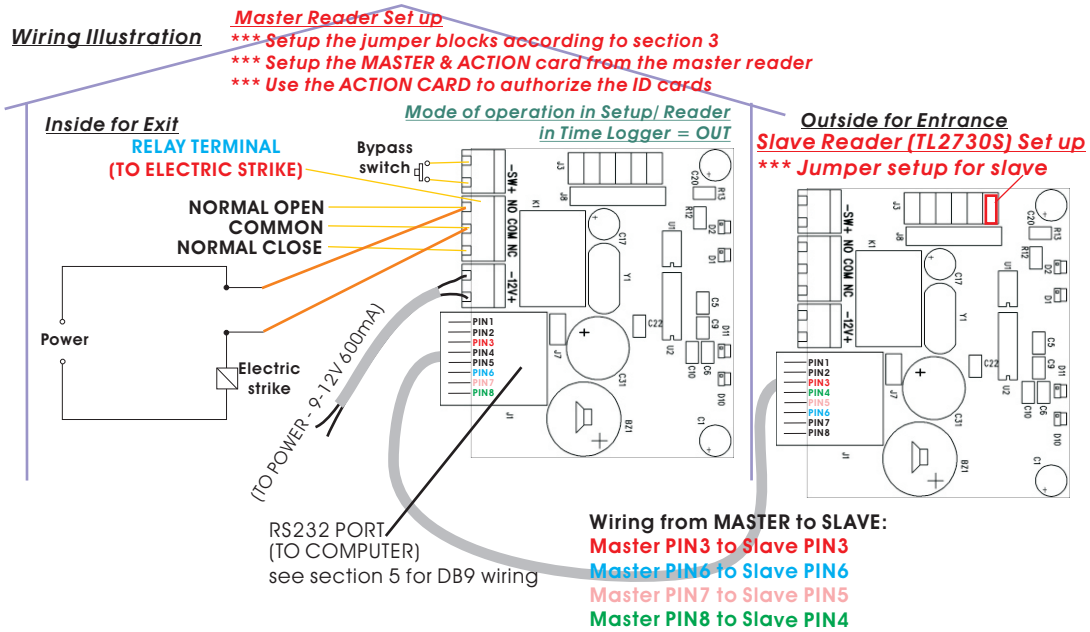
Wiring Illustration

Master Reader Set up
*** Setup the jumper blocks according to section 3
*** Setup the MASTER & ACTION card from the master reader
*** Use the ACTION CARD to authorize the ID cards

Inside for Exit

Mode of operation in Setup/ Reader in Time Logger = OUT

Outside for Entrance
Slave Reader (TL2730S) Set up
*** Jumper setup for slave***



C. CLOCK Mode - Single reader, all logged records will be stamped as clock entries.

2. QUICK START

2.1 Configuring the jumper blocks according to your needs (see section 3).

2.2 Set up your MASTER and ACTION card according to appendix A - section 1.

Remember to remove the CLRM jumper after setting up the MASTER and ACTION card.

2.3 Remove all authorized key card (see appendix A - section 4).

Present an authorized card to the TL2730S, the red LED and relay will turn on as set by TMR0, TMR1 and TMR2 with a beep sound. On the other hand, if an unauthorized card is presented to the TL2730S, the red LED and the relay will have no action but with a long beep sound.

An input contacts is provided, if it is shorted, the unit will respond the same as an authorized card read.

Goto 2.6 if use the Time Logger for granting authorization, keeping card information and reporting (See section 3.5 and 4.2 in Time Logger's User Manual for details).

2.4 Use the ACTION card to authorize the ID cards (see appendix A - section 3).

2.5 Record the authorized ID card number and the associated personnel. This is for removing the authorized card number in case of card losing.

2.6 Power off the reader

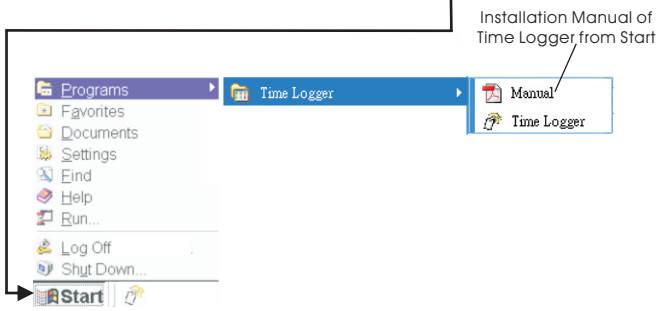
2.7 Connect the RS232 cable (straight through) from the computer to the terminal block of RS232 port. (See Terminal Layout)

2.8 Power on the reader

2.9 Turn on the computer.

2.10 Insert the Time Logger CD into your computer's CD-ROM drive. The Installer will start by itself automatically. If the Installer doesn't start automatically, you can run the setup.exe program to install the software.

2.11 The detailed installation manual for the Time Logger will be automatically installed into your computer when you install the application software. Follow the installation instruction to finish the installation and follow the Installation Manual of Time Logger from *Start* for details of Time Logger's Setup.



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Time Logger Quick Start

5. Insert the ID card CD ROM to the computer to ADD Cards and Edit Card Information

6. Uploading the authorization table to the reader

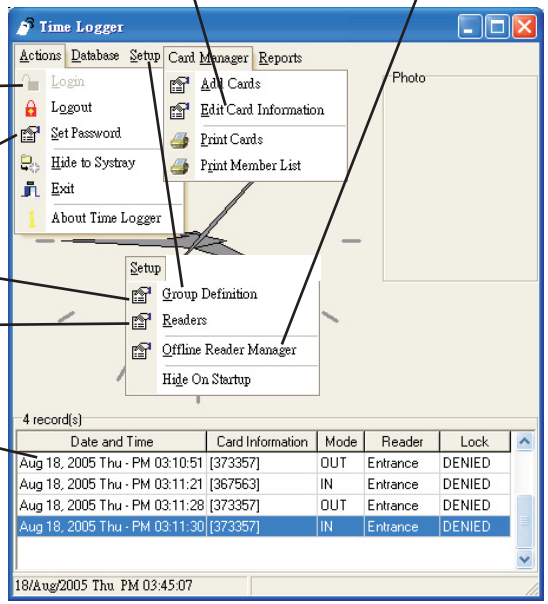
2. Login the Time Logger to start SETUP

1. Setup the password for LOGIN first

4. Define the workgroup

3. Setup the RFID reader

Present the ID cards to the reader, if the com port set up correctly, the record will be shown on the screen



3. JUMPER SETTING

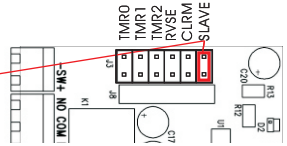
There is a 5-position jumper block for configuring the operation of the unit.

JUMPER POSITION	*FUNCTION*
TMR2	To select the relay on time with authorization granted.
TMR1	
TMR0	
RVSE	ON: to reverse the operation of the relay.
CLRM	ON: to clear the MASTER and ACTION card memory.

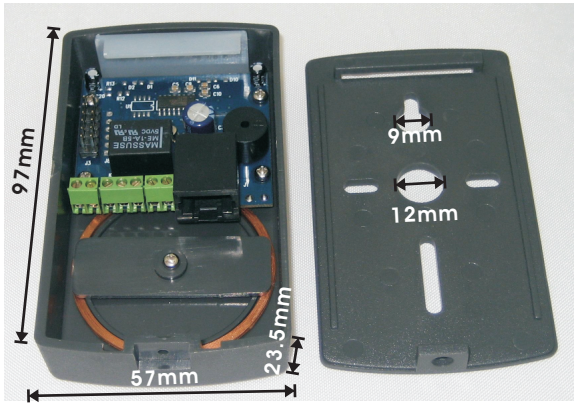
TMR2	*TMR1*	*TMR0*	*FUNCTION*
OFF	OFF	OFF	Relay on for 1 second on authorization granted.
OFF	OFF	ON	Relay on for 2 seconds on authorization granted.
OFF	ON	OFF	Relay on for 5 seconds on authorization granted.
OFF	ON	ON	Relay on for 10 seconds on authorization granted.
ON	OFF	OFF	Relay on for 20 seconds on authorization granted.
ON	OFF	ON	Relay on for 50 seconds on authorization granted.
ON	ON	OFF	Relay on for 100 seconds on authorization granted.
ON	ON	ON	Relay state is toggled on each authorization granted.

* ON : Jumper shorted, OFF : Jumper opened

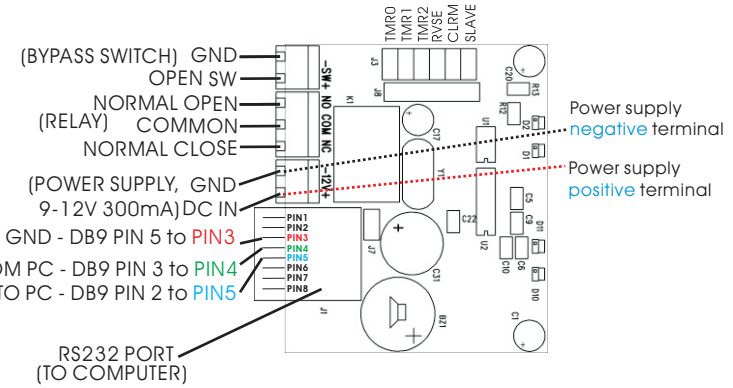
*** *Jumper setting for slave reader*



4. DIMENSIONS



5. TERMINAL LAYOUT



1. Set up a new MASTER and ACTION CARD by jumper setting

	Blue LED	Red LED	Buzzer
Prepare two new cards, one for setting as "MASTER CARD", the other for setting as "ACTION CARD"			
Power off the unit			
Set CLRM to ON position			
Power on the unit			
(Reader wait for a card to set as MASTER CARD)		*blink*	*repeat beep*
NEW CARD — **Present a NEW card to the reader to set as the "MASTER CARD"**			
(Reader wait for another card to set as ACTION CARD)	*blink*		*repeat beep*
NEW CARD — **Present another NEW card to the reader to set as the "ACTION CARD"**			
(Reader wait for power Off)	*on*	*on*	*continous beep*
Power off			
Remove the jumper to set the CLRM to OFF position			
On the power			
(Reader Back to stand by mode, wait for instruction)	blink		

**** Reader will wait until two new cards was read.*

2. Change the MASTER and ACTION CARD

	Blue LED	Red LED	Buzzer
(In stand by mode, wait for instruction)	*blink*		
MASTER CARD — **Present the MASTER CARD to the reader**			
(Reader waiting for the MASTER CARD again - 2nd time)		*on*	
MASTER CARD — **Present the MASTER CARD again to the reader**			
(Reader wait for the MASTER CARD again - 3rd time)		*on*	*repeat beep*
MASTER CARD — **Present the MASTER CARD the 3rd time to the reader**			
(Reader wait for a NEW card to set as MASTER CARD)		*blink*	*repeat beep*
NEW CARD — **Present a NEW card to the reader to set as the "MASTER CARD"**			
(Reader wait for another NEW card to set as ACTION CARD)	*blink*		*repeat beep*
NEW CARD — **Present another NEW card to the reader to set as the "ACTION CARD"**			
(Back to stand by mode, wait for instruction)	*blink*		

**** Reader will wait until two new cards was read.*

3. Add or Delete a key card

	Blue LED	Red LED	Buzzer
(In stand by mode, wait for instruction)	*blink*		
ACTION CARD — **Present an ACTION CARD to the reader**			
(Reader wait for a card to be added or deleted)	*on*		
NEW OR AUTHORIZED CARD — **To add: Present a new card to the reader, To delete: Present an authorized card to the reader**			
(Card Added)		*on*	*beep*
or Card Deleted		*on*	*beep beep*
NEW OR AUTHORIZED CARD — *(Loop again to wait for another card to be added or deleted)*			

**** Reader will back to standby mode if unattend for 10 second*

4. Remove all authorized key cards

	Blue LED	Red LED	Buzzer
(In stand by mode, wait for instruction)	*blink*		
ACTION CARD — **Present the ACTION CARD to the reader**			
(Reader wait for the ACTION CARD on the reader (2nd time))	*on*		
ACTION CARD — **Present the ACTION CARD the 2nd time to the reader**			
(Reader wait for the MASTER CARD for confirmation. All authorized key cards will be removed and then back to stand by mode.)	*on*		*repeat beep*
MASTER CARD — **Present the MASTER CARD to the reader**			
(Delete all cards)		*on*	*beep beep*
(Back to stand by mode)	*blink*		

**** Reader will back to standby mode if unattend for 10 second*

APPENDIX A -soloFace
Reader setup with the use of Master and Action card

5. Delete an authorized key card number

	Blue LED	Red LED	Buzzer
Check the card number (the first 10 digits on the left of the card), do not need to enter "AVEA" and the zero digits in the beginning of the number (e.g. card number AVEA 0000310121 005,40197, you only need to enter 310121).			
In stand by mode	*blink*		
To start deleting:			
ACTION CARD — **Present the ACTION CARD to the reader**			
Reader wait for the MASTER CARD	*on*		
MASTER CARD — **Present the MASTER CARD to the reader**			
Reader wait for the ACTION CARD for digit entry	blink	on	
DIGIT ENTER — ACTION CARD — **Start entering the digits. Enter the first digit by presenting the ACTION CARD to the reader. Present 1 time for 1, 2 times for 2, ….. 9 times for 9 or 10 times for zero. The buzzer will beep once while presenting the ACTION CARD to the reader once.**	**off**	**off**	
MASTER CARD — **Present the MASTER CARD to the reader to end the entering of each digit (including the last digit). Repeat above procedure to enter all digits.**	**blink**	**on**	
MASTER CARD — **Present the MASTER CARD to the reader again to inform the reader that you have finished entering all the digits. The reader will "beep" out the number you just entered. Start with a long beep and with a slient between each digit.**	**on**	**on**	
Reader wait for confirmation	blink	on	
ACTION CARD — **Present the ACTION CARD to the reader to confirm the deletion.**			**two beeps = ID card no. delete, one long beep = error**
Back to stand by mode	*blink*		

**** Reader will back to standby mode if unattend for 10 second*

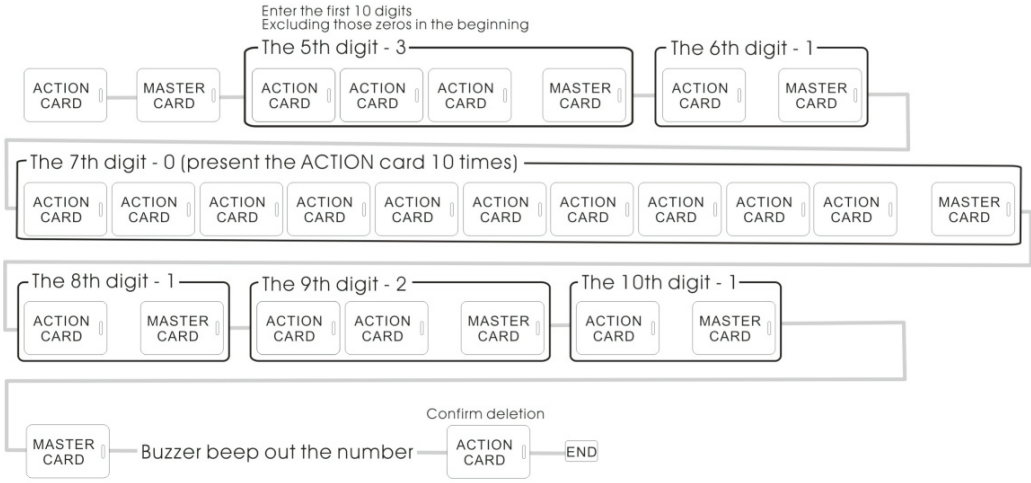


Diagram 1, Example for Deleting key card number - AVEA 0000310121 005,40197